

Federal Aviation Administration

National Airspace System

Capital Investment Plan

Appendix D

Fiscal Years 2007 – 2011

LIST OF ACRONYMS AND ABBREVIATIONS

A	
A/G	air-to-ground
ABAS	aircraft based augmentation system
ACE-IDS	automated surface observing system controller equipment information display system
ADAS	automated weather observation data acquisition system
ADL	aeronautical data link
ADS-B	automatic dependent surveillance broadcast
ADS-C	automatic dependent surveillance-contract
AFSS	automated flight service station
AIM	aeronautical information management
AIXM	aeronautical information exchange mode
ALAR	approach/landing accident reduction
ALDARS	ASOS lightning detection and reporting system
ALSF-2	approach lighting system with sequenced flashing light model 2
ALSIP	approach lighting system improvement program
AMASS	airport movement area safety system
ANICS	Alaskan national airspace system interfacility communications system
ARE	aircraft and related equipment
ARTCC	Air route traffic control center
ARTS	automated radar terminal system
ASAS	aviation safety analysis system
ASDE-3X	airport surface detection equipment – model 3x
ASDE-X	airport surface detection equipment – model x
ASKME	aviation system knowledge management environment
ASOS	automated surface observing system
ASR	airport surveillance radar
ASR-9	airport surveillance radar model 9
ASR-11	airport surveillance radar model 11
ASWON	automated surface weather observation network
ATC	Air traffic control
ATCBI	Air traffic control beacon interrogator
ATCBI-6	Air traffic control beacon interrogator model 6
ATCSCC	Air traffic control system command center
ATCT	airport traffic control tower
ATDP	advanced technology development prototyping
ATM	Air traffic management
ATO	Air Traffic Organization
ATOMS	Air traffic operations management system
ATOP	advanced technologies and oceanic procedures
AUTOMET	automated meteorological
AWOS	automated weather observing system
AWSS	automated weather sensor systems
B	
BLI	budget line item
C	
C3	command, control, and communications
CAEG	computer aided engineering graphics
CAI	contractor acceptance inspection

CAP	common automation platform
CARF	central altitude reservation facility
C-ARTS	common-automated radar tracking system
CASSD	Center Advance Aviation System Development
CAST	commercial aviation safety team
CATMT	collaborative air traffic management technologies
CBI	computer-based instruction
CERAP	center radar approach control
CETS	compliance and enforcement tracking subsystem
ADS-C	automatic dependent surveillance-contract
CFE	communications facilities enhancement
CFIT	controlled flight into terrain
CIP	capital investment plan
CIWS	corridor integrated weather system
CONUS	contiguous United States
COTS	commercial off-the-shelf
CPDSS	covered position decision support system
CSIRC	computer security incident response center
CST	communication support team
D	
DHS	Department of Homeland Security
DME	distance measuring equipment
DoD	Department of Defense
DOT	Department of Transportation
DOTS	dynamic ocean tracking system
DSR	display system replacement
DVOR	Doppler very high frequency omni-directional range
E	
EBUS	enhanced backup surveillance
ECG	En route communication gateway
EFSTS	electronic flight strip system
EOSH	environmental & occupational safety and health
EPA	Environmental Protection Agency
ERAM	En route automation modernization
ERIDS	En route information display
ETVS	enhanced terminal voice switches
F	
F&E	facilities and equipment
FAA	Federal Aviation Administration
FAASAT	FAA telecommunications satellite
FBWTG	FAA bulk weather telecommunications gateway
FDIO	flight data input/output
FDP	Flight data processor
FFP2	free flight phase 2
FFRDC	federally funded research and development center
FIS	flight information service
FIS-B	flight information service – broadcast
FISDL	flight information services data link
FM	frequency modulated
FSAS	flight services automation system
FSRM	facility security risk management
FSS	flight service station
FST	fuel storage tank

FTI	FAA telecommunications infrastructure
FY	fiscal year
G	
GAVF	general aviation/ vertical flight technology
GBAS	ground based augmentation system – wide area augmentation system
GBT	ground based transceivers
GNSS	global navigation satellite system
GPS	global positioning system
GWP	global weather processor
H	
HCS	host computer system
HVAC	heating, ventilating, and air-conditioning
I	
IAPA	Instrument approach procedures automation
ICAO	International Civil Aviation Organization
IDS	Information display system
IFR	Instrument flight rule
ILS	Instrument landing system
IOC	initial operating capability
ISS	information systems security
IT	information technology
ITWS	integrated terminal weather system
J	
JAWS	Juneau airport wind system
JPDO	joint planning and development
JRC	joint resources council
L	
LAAS	local area augmentation system
LAHSO	land and hold short operations
LAN	local area network
LCSS	logistical center support system
LINCS	leased interfacility NAS communications system
LLWAS	low-level wind shear alert system
LPDME	low power distance measuring equipment
LRR	long-range radar
LSS	logistics support services
LSSC	logistics support services center
M	
MALS	medium-intensity approach lighting system
MALSR	medium-intensity approach light system with runway alignment indicator lights
MDCRS	meteorological data collection and reporting system
MEARTS	microprocessor en route automated radar tracking system
MIAWS	medium intensity airport weather system
MOA	memorandum of agreement
MOPS	Minimum operational performance standard
N	
NAFIS	next generation flight inspection system
NAIMES	national airspace system aeronautical information management enterprise system
NAR	national airspace redesign
NAS	national airspace system
NASA	national aeronautics and space administration
NASR	national airspace system resources

NDB	non-directional beacon
NDP	NOTAM distribution program
NEXCOM	next generation air/ground communications
NEXRAD	next generation weather radar
NGATS	next generation air traffic system
NIMS	national airspace system infrastructure management system
NISC	national airspace system implementation support contract
NOTAM	notice to airmen
NTSB	National Transportation Safety Board
NVS	national airspace system voice switch
NWS	National Weather Service
O	
OASIS	operational and supportability implementation
OEP	operational evolution plan
OFDPS	offshore flight data processing system
OMB	Office of Management and Budget
ORD	operational readiness demonstration
OSHA	Occupational Safety and Health Administration
P	
P3I	pre-planned product improvement
PAPI	Precision approach path indicator
PCB	polychlorinated biphenyl
PCS	Permanent change of station
PDARS	performance data analysis and reporting system
PIREPS	pilot reports
PLM	programming language for microcomputers
PRM	Precision runway monitor
PS3	power systems sustained support
R	
RATP	route availability planning tool
RCAG	remote center air/ground
RCE	radio control equipment
RCISS	Regulation and certification infrastructure for system safety
RCOM	recovery communications
RDA	radar data acquisition
RDP	radar data processing
REIL	runway end identifier lights
RFI	radio frequency interference
RIRP	runway incursion reduction program
RMMS	remote maintenance monitoring system
RNAV	area navigation
RNP	required navigation performance
RTP	resource tracking program
RVR	runway visual range
RWSL	runway status lights
S	
SASO	system approach for safety oversight
SAWS	standalone weather sensors
SBAS	space based augmentation system – local area augmentation system
SETA	system engineering and technical assistance.
SF-21	safe flight 21
SLEP	service life extension program
SMO	system maintenance office

SMP	strategic management process
SMS	surface management system
SNI	simultaneous non-interface
STAR	standard terminal arrival routes
STARS	standard terminal automation replacement system
STMS	surface traffic management system
SWIM	system-wide information management
T	
TACAN	tactical air navigation antenna
TAMDAR	tropospheric airborne meteorological data reporting
TAMR	terminal automation modernization replacement
TCWF	terminal convective weather forecast
TDWR	terminal Doppler weather radar
TFM	traffic flow management
TFM-M	traffic flow management modernization
TFR	temporary flight restriction
TIS	traffic information service
TMA	traffic management advisor
TMA-SC	traffic management advisor - single center
TRACON	terminal radar approach control
TSSC	technical support services contract
TVSR	terminal voice switch replacement
TWIP	terminal weather information for pilots
U	
UAT	universal access transceiver
UHF	ultra high frequency
URET	user request evaluation tool
V	
VASI	visual approach slope indicator
VHF	very high frequency
VOR	very high frequency omni-directional range
VORTAC	very high frequency omni-directional range collocated with tactical air navigation
VSCS	voice switching and control system
W	
WAAS	wide area augmentation system
WARP	weather and radar processor
WJHTC	William J. Hughes Technical Center
WMSCR	weather message switching center replacement
WMSS	WARP maintenance and sustainment service
WRC	world radiocommunication conference
WSP	weather systems processor